ABSTRACT

A compressor used in a refrigerating cycle is provided as a miniaturized and lightweight unit at low production cost by selecting an optimal material to constitute components or by forming the housing in a specific shape so as to allow the components to have smaller wall thicknesses while assuring sufficient strength. A tough material achieving a tensile strength greater than 800N/mm^2 is used when forming at least one of the components constituting the housing and the internal mechanisms. In addition, over the area of the housing where the bottom surface and the inner circumferential surface connect with each other, the bottom surface forms an R-shaped portion and the inner circumferential surface forms a sloping portion or an R-shaped portion.